

HT-99-024

May 10, 2000

To: Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Fr: George O. Saile, Reg. No. 19,572  
20 McIntosh Drive  
Poughkeepsie, N.Y. 12603

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Subject:

Serial No. 09/513,873 02/28/00

Min Li, Simon H. Liao,  
Cheng T. Horng, Kochan Ju

A SHIELD STRUCTURE DESIGN TO IMPROVE  
THE STABILITY OF AN MR HEAD

Grp. Art Unit: 2754

## INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation  
In An Application.

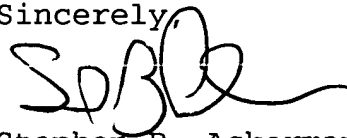
The following Patents and/or Publications are submitted to  
comply with the duty of disclosure under CFR 1.97-1.99 and  
37 CFR 1.56. Copies of each document is included herewith.

U.S. Patent 5,621,592 to Gill et al., "Magnetic Head with  
Magnetically Stable Shield Layers and/or Write Poles", teaches  
a method of forming a magnetic shield with substantial uniaxial  
anisotropy by laminating a ferromagnetic layer of NiFe with an  
antiferromagnetic layer of NiMn.

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U.S. Patent 5,838,521 to Ravipati, "Magnetoresistive Transducer having Laminated Magnetic Shields", teaches a method of forming a laminated shield in a tri-layer configuration, in which two layers of ferromagnetic material such as NiFe are separated by an equally thick layer of non-magnetic material, such as tantalum.

Sincerely,

A handwritten signature in black ink, appearing to read 'SBA', with a long horizontal flourish extending to the right.

Stephen B. Ackerman,  
Reg. No. 37661